

Detection of pseudorotation in dimers of pentaalkoxy derivatives of antimony on the basis of PMR spectrometric data

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Abstract

1. A mechanism has been proposed for intramolecular and intermolecular ligand exchange in a series of pentacoordinated derivatives of Sb. 2. An interpretation has been given for the temperature dependence of the NMR spectra within the framework of concepts as to the limiting stages of equilibrium reactions. 3. Activation energies have been determined for the process of rupture and formation of the dimeric bond, and an estimate has been made of the lower limit of free energy of activation of pseudorotation in the monomeric pentacoordinated form. © 1983 Plenum Publishing Corporation.

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